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CLAIMS

A support structure for bicycle bottles or similar containers (B), comprising a unitary supporting cage-like or three dimensional frame (2), anchoring means (6, 7) for securing to a bicycle frame or to a similar member, characterised in that said supporting frame (2) comprises a rear anchoring post (3) with an upper end from which two substantially symmetrical and diverging arms (4, 5) extend, said arms (4, 5) being at least partially bent upwardly, forwardly and downwardly so as to embrace the lateral wall of a bottle (B), the lower ends (8, 9) of said arms (4, 5) converging and being reciprocally joined so as to form a lower appendix (10) directed towards the post (3), and adapted to support the bottom wall of the bottle (B).

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2. Support structure according to claim 1, characterised in that said arms (4, 5) and said post (3) are located along a substantially cylindrical surface having an inner diameter (D) that is slightly larger than the conventional diameter (2) of the bottle (B) to be supported.

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- 3. Support structure according to claim 2, characterised in that the inside edges of the lower converging ends (8, 9) of said arms house a maximum span (d) that is smaller than or equal to the half of said inner diameter (D) at a distance (h) from said appendix that is substantially equal to said inner diameter (D).
- 4. Support structure according to claim 2 characterised in that said inner diameter (D) has a predetermined side ranging between 40 mm and 50 mm and preferably equal to approximately 45 mm so as to be smaller than those of traditional bottles and to reduce the transversal

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encumbrance of the supporting frame (2).

- 5. Support structure according to claim 1, characterised in that said arms (4) 5) and said post (3) are unitarily formed and in that they have a substantially plate configuration with plane cross-section so as to define a monolithic supporting frame.
- 6. Support structure according to claim 1, characterised in that said supporting frame (2) is formed starting from a metal plate or from a plastic sheet.
- 7. Support for bottle according to claim 1, characterised in that said supporting frame (2) is provided with one or more lightening holes (11, 12, 13) peripherally located along said arms.
- 8. Support structure according to claim 1, characterised in that said supporting frame (2) is provided with means for gripping the bottle located along said arms.
- 20 9. Support structure according to claim 8, characterised in that said gripping means comprise at least a resilient pad (17, 19, 23).
- 10. Support structure according to claim 1, characterised in that said gripping means comprise at least a planar element (15, 20, 22) made of a relatively rigid material that houses internally thereof a pad made of a resiliently flexible material.
- 11. Support structure according to claim 10, characterised in that said resiliently flexible pad comprises a rigid spherical member (16) held in place by a boss (17) made of a resiliently flexible material.

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- 12. Support structure according to claim 10 or 11, characterised in that said resiliently flexible material is chosen in the group comprising gels, rubbers or plastic materials.
- Support structure according to claim 1, characterised in that said ripping means comprises at least a pad (24) of rubber or plastic material located along said post (3).
 - 14. Support structure according to claim 13, characterised in that each pad (24) has at least one transverse chevron groove (25) so shaped to permit downward insertion and preventing easy upward removal of a bottle within said support frame (2).
 - 15. Support structure according to slaim 13, characterised in that said gripping means further comprises at least one rubber or plastics lips (26) fitted onto the upper edges of said arms (4, 5) to further hold the bottle (B) upon location thereof into said supporting frame (2).

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